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25X

IB - 191/64
21 April 1964
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MEMORANDUM FOR: Chief, Manufacturing and Services Division, ORR

25X1A ATTENTION : [REDACTED]

THROUGH : Chief, Requirements Branch, Reconnaissance Group, CGS

FROM : Chief, CIA/PID (NPIC)

SUBJECT : North Vietnam Border Road Study

REFERENCE : (1) ORR Requirement No. C-RR4-81,020
(2) CIA/PID Project No. C 231/64

1. This memorandum is in answer to your requirement which requested a comparative study of roads within North Vietnam that lead to the border between China and Laos.

2. The border area of North Vietnam has been divided into four regions in order to facilitate the writing of this memorandum. These four regions are delineated on the enclosed map (CIA/PID/IB-P-045/64) of Vietnam and are called the North Eastern, Northern, North Western and Central Western Border Regions. The roads observed during this study are shown on the enclosed AMS Map Sheets (CIA/PID/IB-P-519/64, P-520/64 and P-554/64 through P-903/64). Individual roads generally will not be described in detail; however, the road network within each border region will be discussed, with the important roads receiving a more thorough textual treatment.

3a. The North Eastern Border Region extends from the Gulf of Tonkin to Cao Bang (22° 40'N - 106° 16'E). This portion of the North Vietnam Border, which is paralleled by National Route 4, has the greatest concentration of border crossings. National Route 4 is a single-lane improved road. The four main border crossings in this area are also single-lane improved roads and proceed to the Chinese cities of Ping-haiang (22° 00'N - 106° 44'E), Lung-ching (22° 21'N - 106° 51'E), Ching-hsi (23° 08'N - 106° 25'E) and Chen-pien (23° 21'N - 106° 49'E). In the area north and east of Cao Bang there is a maze of inter-connected roads and trails. Most of this system only serves this part of North Vietnam and is not designed for heavy traffic. The main roads in this border region have been well maintained and they have wide, high-capacity bridges. These roads appear capable of sustaining heavy traffic. No new construction was observed in this region.

3b. The Northern Border Region extends from the vicinity of Cao Bang to National Route 6, but does not include Route 4 or Route 6. There is no

DECLASSIFICATION REVIEW BY NIMA / DoD

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SUBJECT: North Vietnam Border Road Study

road which parallels this portion of the North Vietnam Border. The only observed transportation link, except for trails, along the Northern Border Region was the rail line which passes through Lao Kay (22° 30'N - 103° 57'E). The present roads in this area are only in the early stages of what could develop into a good road system along the border. These roads radiate from road and rail arteries to the interior of North Vietnam; namely Route 3, Route 2, the railroad to Hanoi from Kun-ming, and Route 6. The road to Dong Van (23° 17'N - 105° 23'E) from Ha Giang (22° 50'N - 104° 59'E) has recently been completed. However, there is no border crossing at Dong Van and the road Northwest of Ha Giang does not cross the border into China. A system of good roads exist around Lao Kay but none of these roads appear to be tied in with any major transportation system other than the railroad. A good trail connects the road which runs southeast out of Lao Kay with Route 2. This trail appears to have been built as a single-lane road but due to the absence of adequate bridges, it has deteriorated into a trail. Some construction activity was observed west of Lao Kay. This could mean that in time Lao Kay will be linked by road with Route 6. The roads around Lao Kay and Routes 2 and 3 appear to be in very good condition. Traffic on these routes cross most streams by means of bridges, only infrequently resorting to fording streams. Secondary roads, which radiate from these main highways are maintained only to the extent necessary to adequately service the small agricultural communities located along their right-of-way.

3c. The North Western Border Region extends from Ban Nam Cuan (22° 30'N - 103° 10'E), where National Route 6 crosses into China, to Suyat (20° 40'N - 105° 04'E). This section of the North Vietnam Border is paralleled by Route 6. This main road along the North Western Border is an old single-lane road. From the Chinese Border to Lai Chau (22° 04'N - 103° 10'E) the road is unimproved and has no bridges. The section from Lai Chau to the junction with the road from Dien Bien Phu (21° 35'N - 103° 25'E) is an old single-lane improved road which has deteriorated, due to lack of proper maintenance, to an unimproved road. Only one ford was observed on this section. The remainder of this road is a single-lane improved road with bridges throughout. Route 6 is joined by two roads which cross the border into Laos. The northern road, most of which is single-lane improved or presently being improved, passes through Dien Bien Phu (21° 23'N - 103° 01'E). A by-pass around Dien Bien Phu and a new bridge south of the town are under construction. The other road goes from Moc Chau (20° 50'N - 104° 37'E) in North Vietnam to Sam Neua (20° 25'N - 104° 06'E) in Laos. It is a single-lane improved road except for that portion adjacent to Route 6. No roads were observed proceeding west from Lai Chau along the Black River. The border area north of Sam Neua is approached by both Laotian and North Vietnamese Roads. However, no roads were seen crossing the border. Except for the above mentioned improvements near Dien Bien Phu and some minor work to Route 6, no new construction was observed in this border region.

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3d. The Central Western Border Region extends from Suayut to the National Route 8 border crossing southwest of Vinh (18° 40'N - 105° 40'E) only three roads were observed crossing the border in this region. Two of these roads - Route 8 and Route 7 - have been covered by previous memorandums (IB No. 116/64 and 165/64 respectively). The third highway connects Thiet Tra (20° 18'N - 105° 10'E) in North Vietnam with Sam Neua. It is a single-lane improved road with bridges for its entire length. This road had a very fresh, light appearance and possibly is newly constructed. A fourth road runs along the bank of the Song Ma (River) from North Vietnam but, it deteriorates into a trail at the Laotian Border. No new construction was observed in this region.

25X1D

5. The analysts on this project were [REDACTED]

[REDACTED] who may be contacted in extension 2540 should you have any questions concerning this project. This is considered a complete answer to the requirement.

25X1A

25X1A

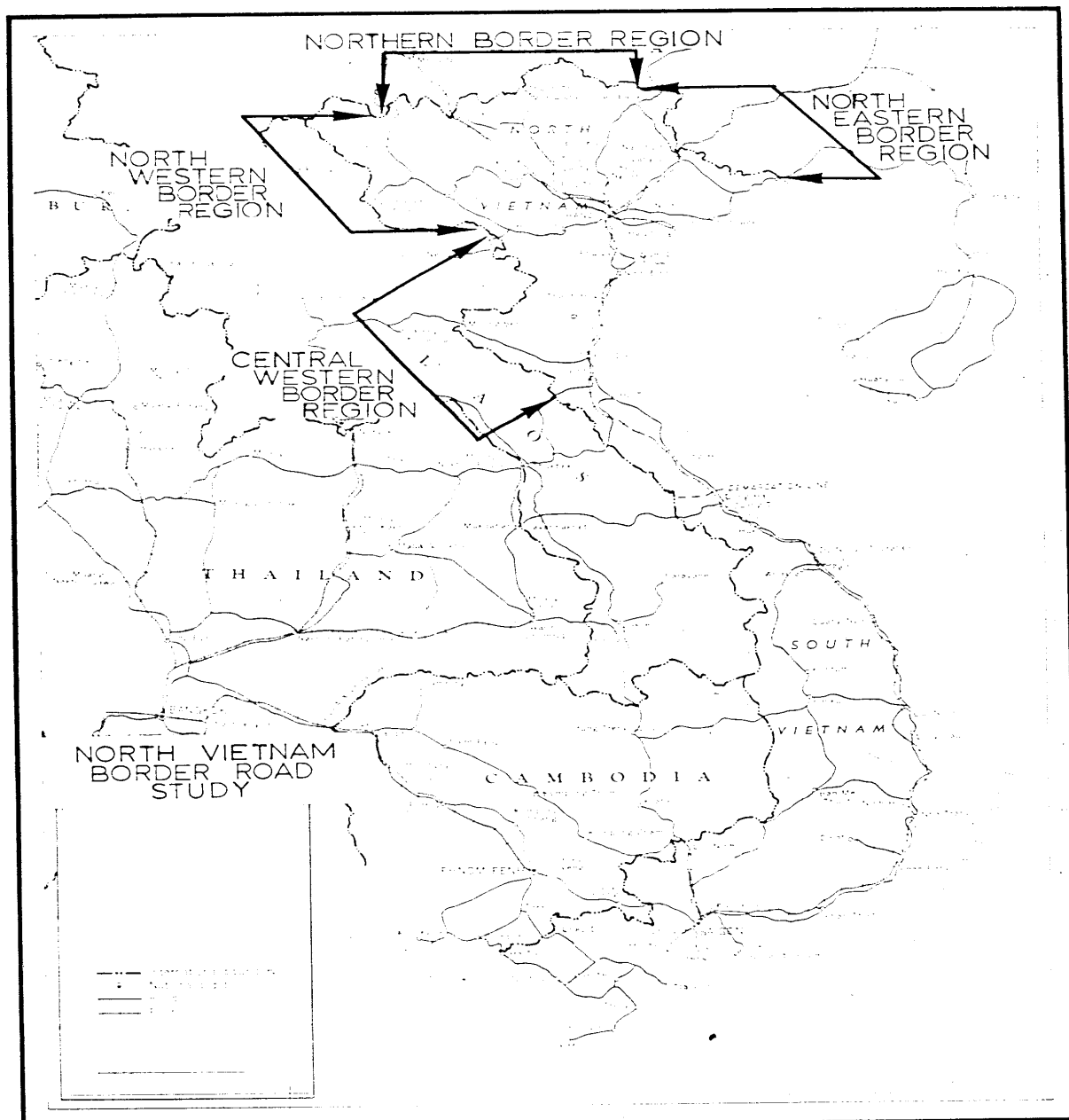
ENCLOSURES:

13 Annotated Maps

(CIA/FID/IB-P-519/64, P-520/64, P-534/64 to P-503/64 and P-543/64)

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CIA/PID/IB - P-645/64

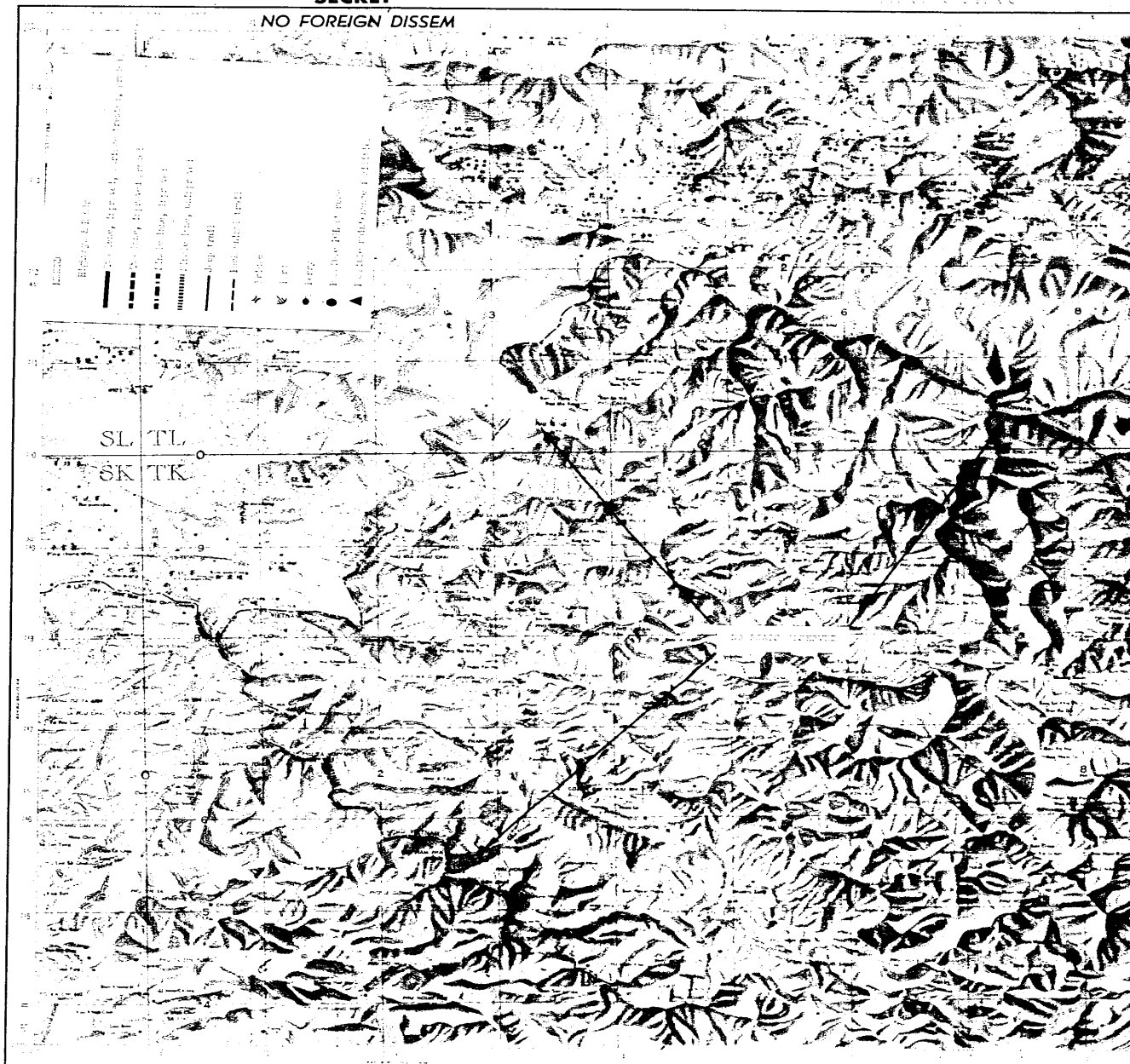
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NO CHINA AND THAILAND USE

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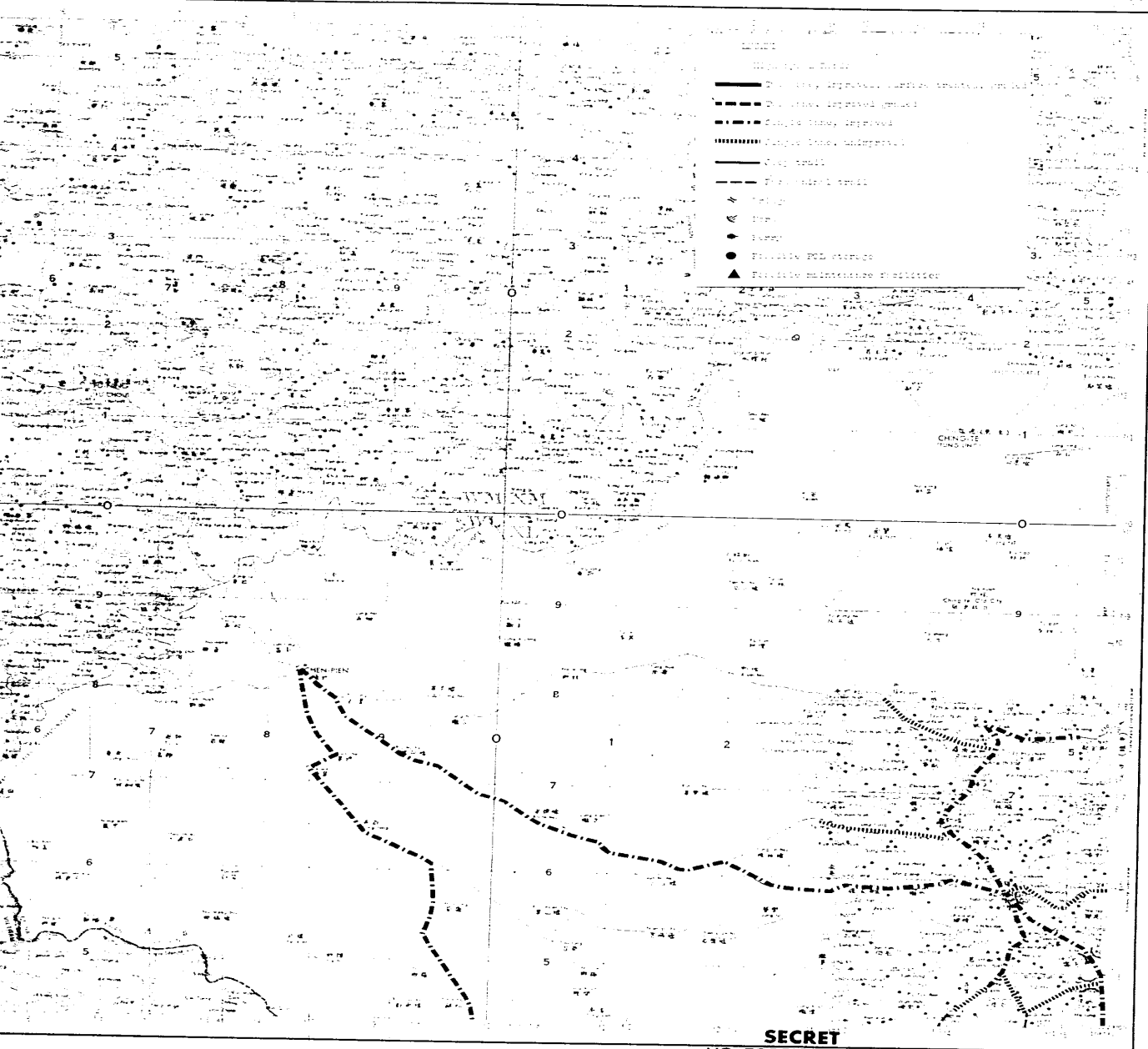
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HAIPHONG
NAM 2754

HAIPHONG
NAM 2754



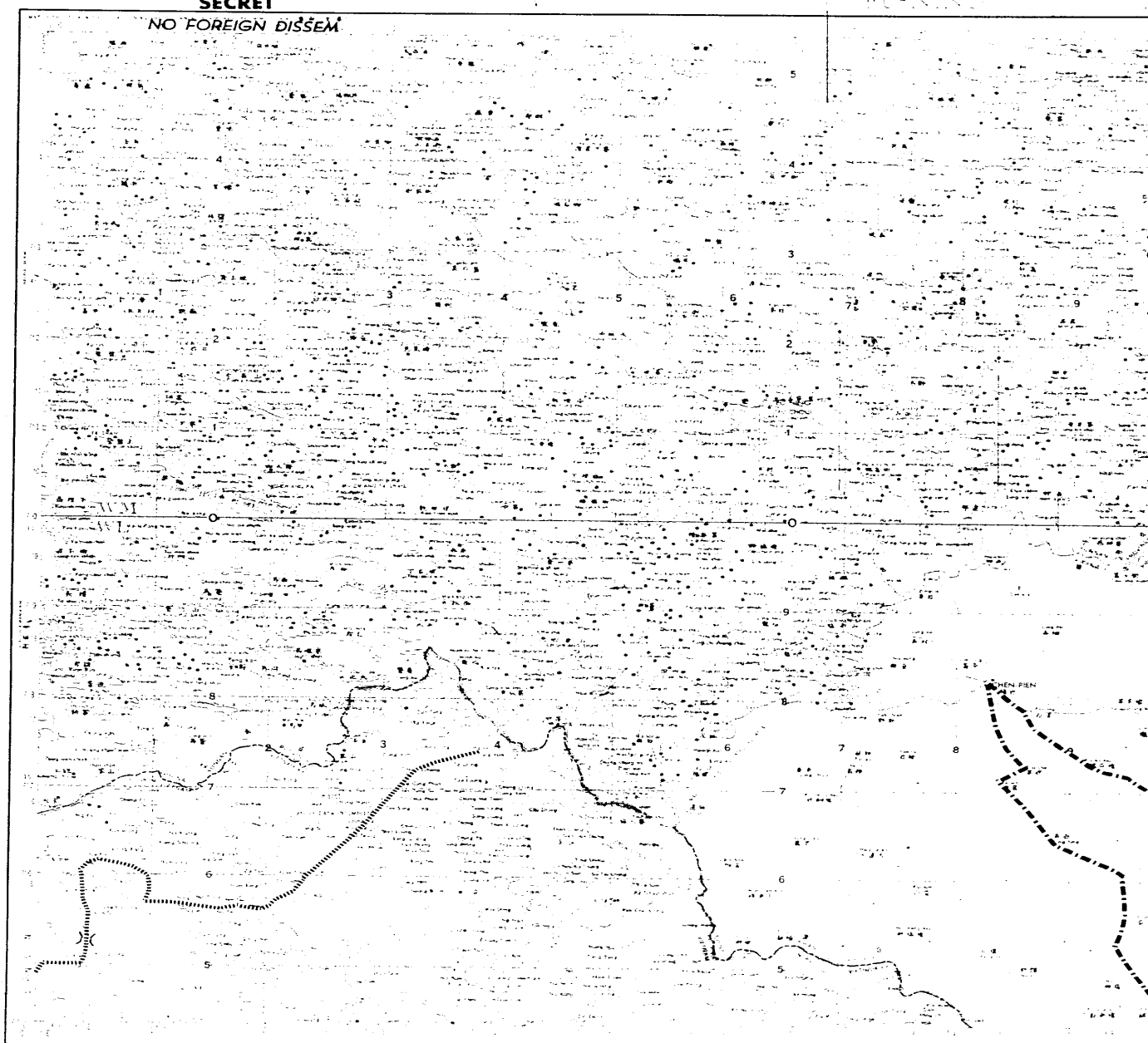
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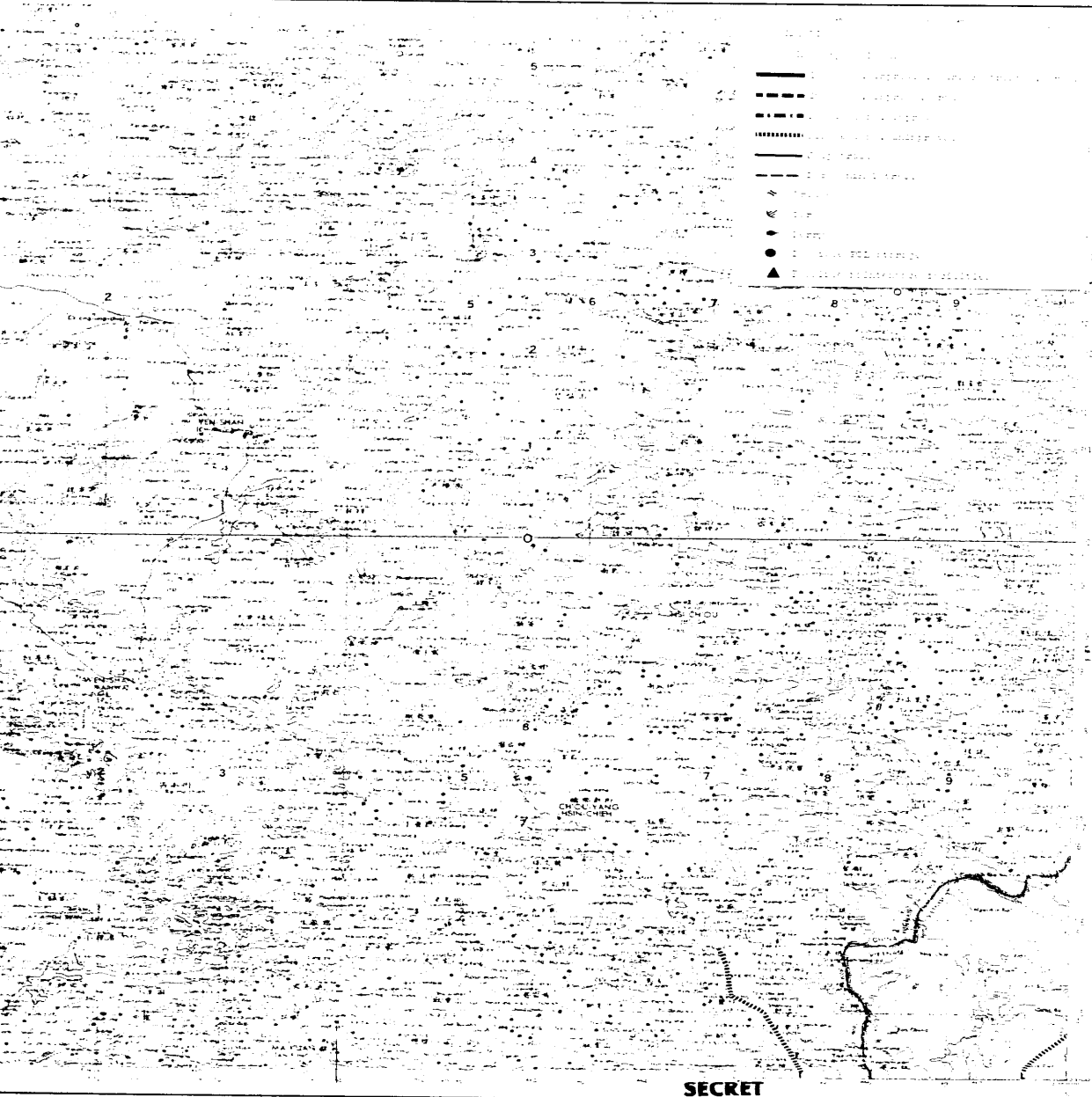
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EDITION 1946



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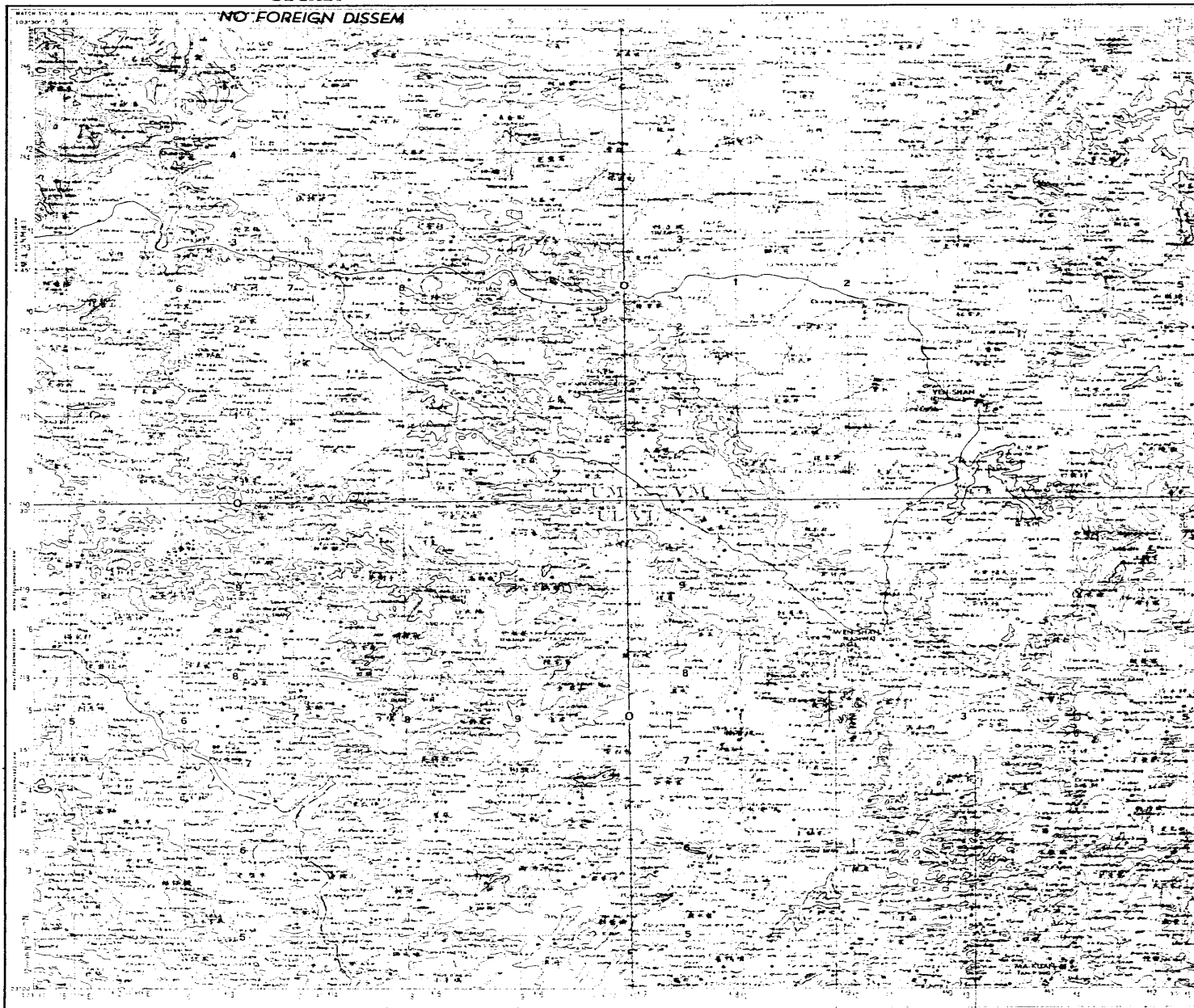
SHANG-HAI
CHANG-SHA
CHIN-KIA

CHINA 1:250,000

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CIA FILE ID: A-100-100-100-100

DIEN BIEN PHU

AVA SERIES 1509



Scale 1:250,000

CONTOUR INTERVAL 100 METERS
TRANSVERSE INDICATOR PROJECTION

LOCATION DIAGRAM FOR NF 48-9



SECRET NOFORN DISSEM

CIA/PID/ID-P-519/64



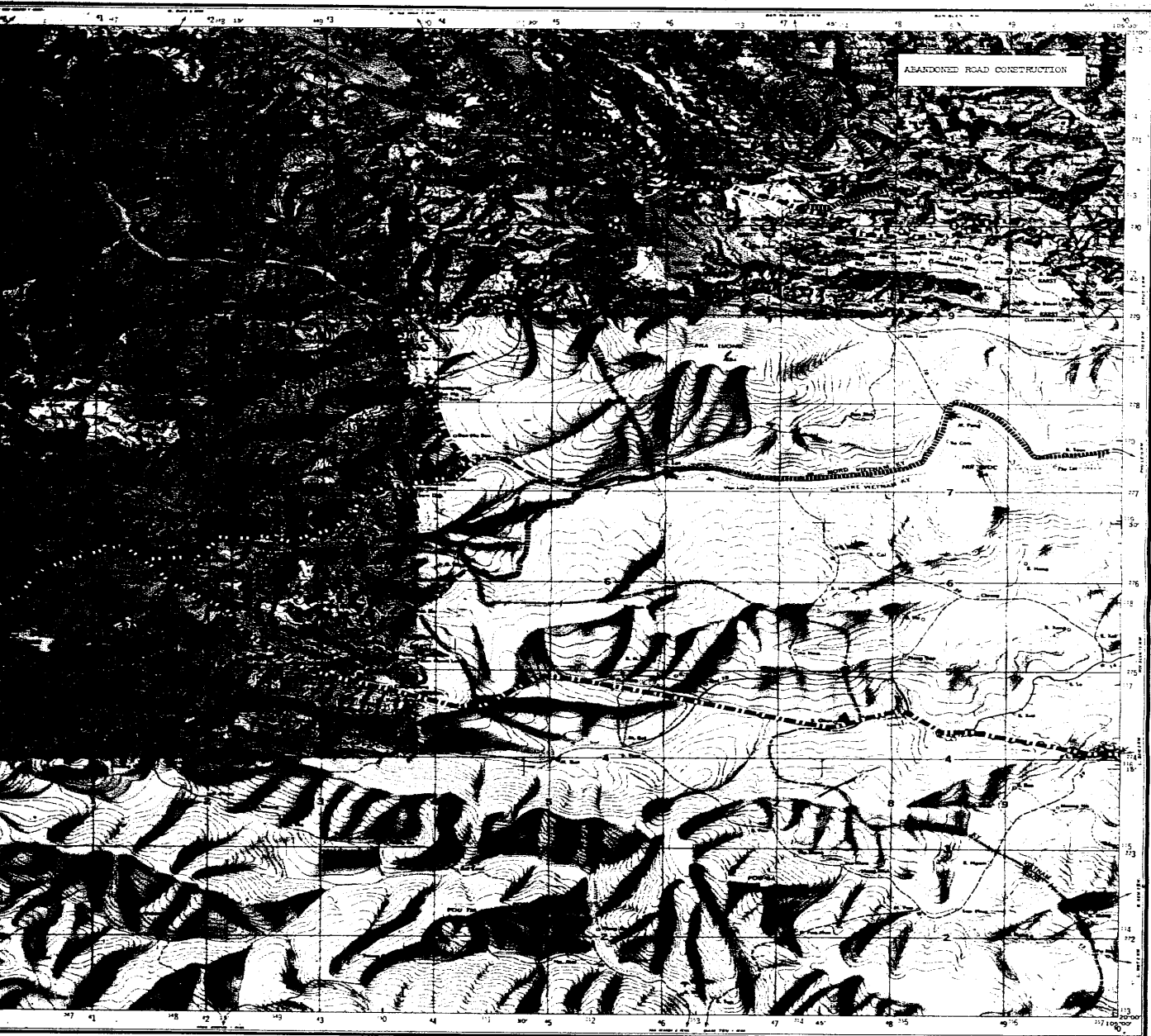
1	2	3	4
5	6	7	8
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DIEN BIEN PHU, VIETNAM

SAM NEUA

EDITION 1-AMS

NF 4514



Scale 1:250,000

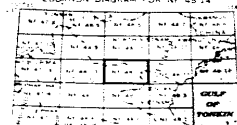
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CONTOUR INTERVAL 100 METERS. RELIEF PARTIALLY SHOWN BY FORM LINES

TRANSVERSE MERCATOR PROJECTION

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LOCATION DIAGRAM FOR NF 4514



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CLA/PID/IB-P-500/64



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VI	VI	VI	VI

SAM NEUA, LAOS, VIETNAM

NE. Border Area

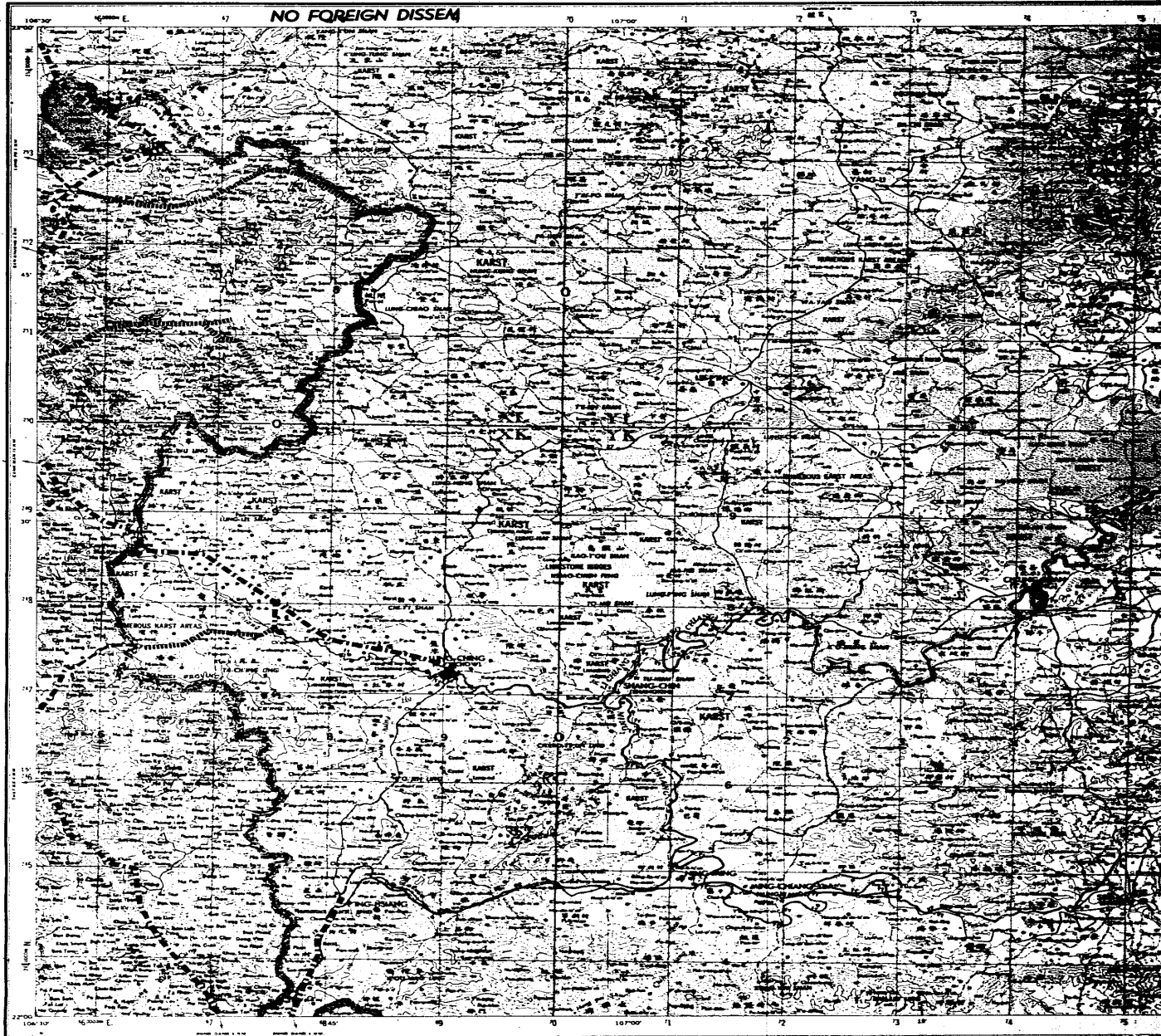
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LUNG-CHING

NO FOREIGN DISSEM



CLOSURE

Prepared by the Army Map Service, Washington, D. C. Checked by the Army Map Service, Washington, D. C. 1:250,000. China, Central Asia, and the Soviet Union. 1953. Reprinted from the original map of the same title, published by the Army Map Service, Washington, D. C. in 1953. The map is a reproduction of the original map, and is not a new edition. The map is a reproduction of the original map, and is not a new edition. The map is a reproduction of the original map, and is not a new edition.

CIA/FID/IB-P-559/04

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EDITION 1-AMS

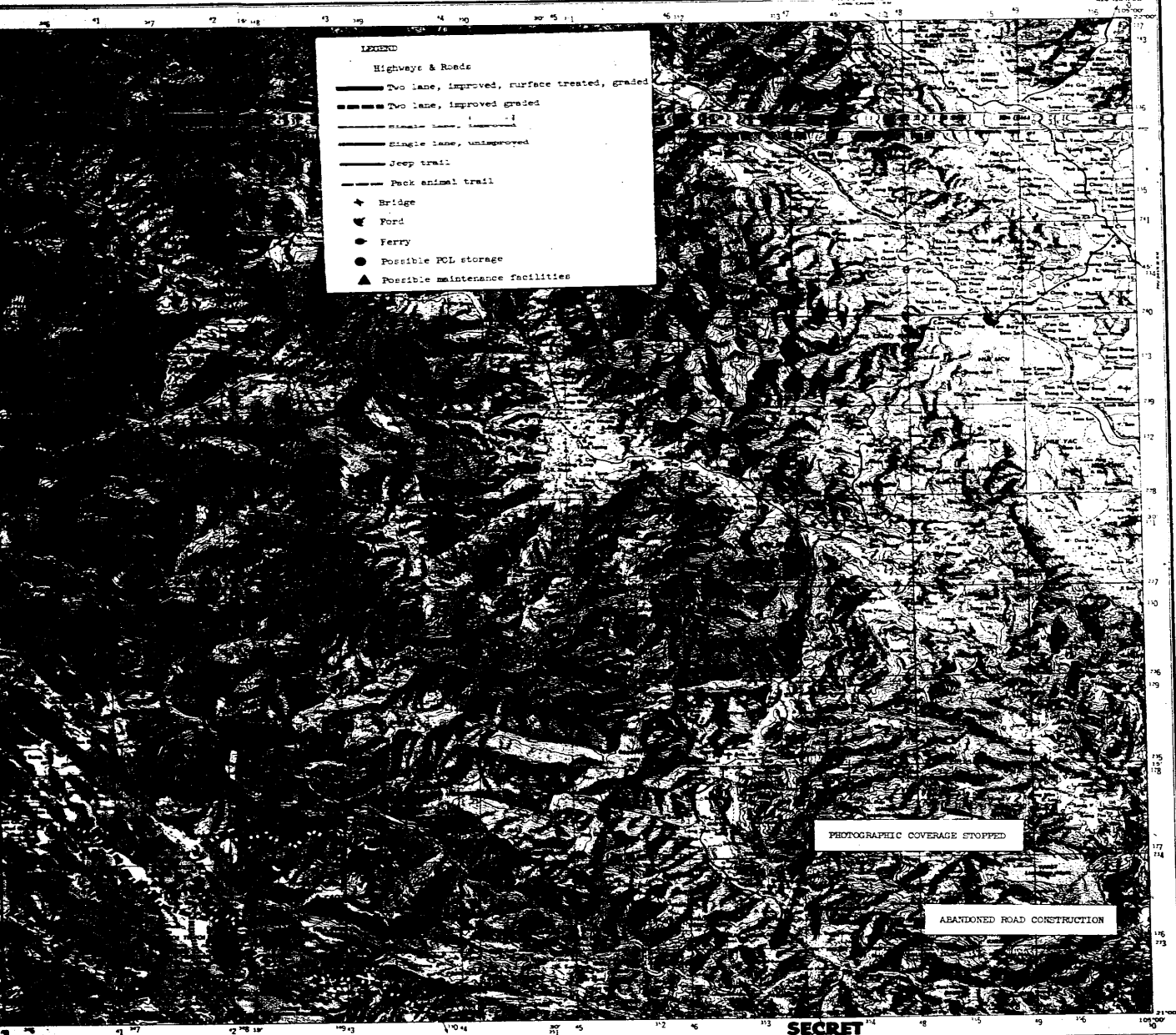
NF 48-10

LEGEND

Highways & Roads

- Two lane, improved, surface treated, graded
- Two lane, improved, graded
- Single lane, improved
- Single lane, unimproved
- Jeep trail
- Pack animal trail

- Bridge
- Ford
- Ferry
- Possible PCL storage
- Possible maintenance facilities



PHOTOGRAPHIC COVERAGE STOPPED

ABANDONED ROAD CONSTRUCTION

SECRET

NO FOREIGN DISSEM

PRINTED BY ARMY MAP SERVICE, CORPS OF ENGINEERS, 7-54 772395

Scale 1:250,000

CONTOUR INTERVAL 100 METERS. RELIEF PARTIALLY SHOWN BY FORM LINES
TRANSVERSE MERCATOR PROJECTION

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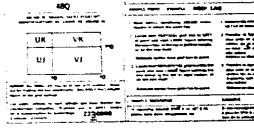
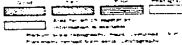
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LOCATION DIAGRAM FOR NF 48-10

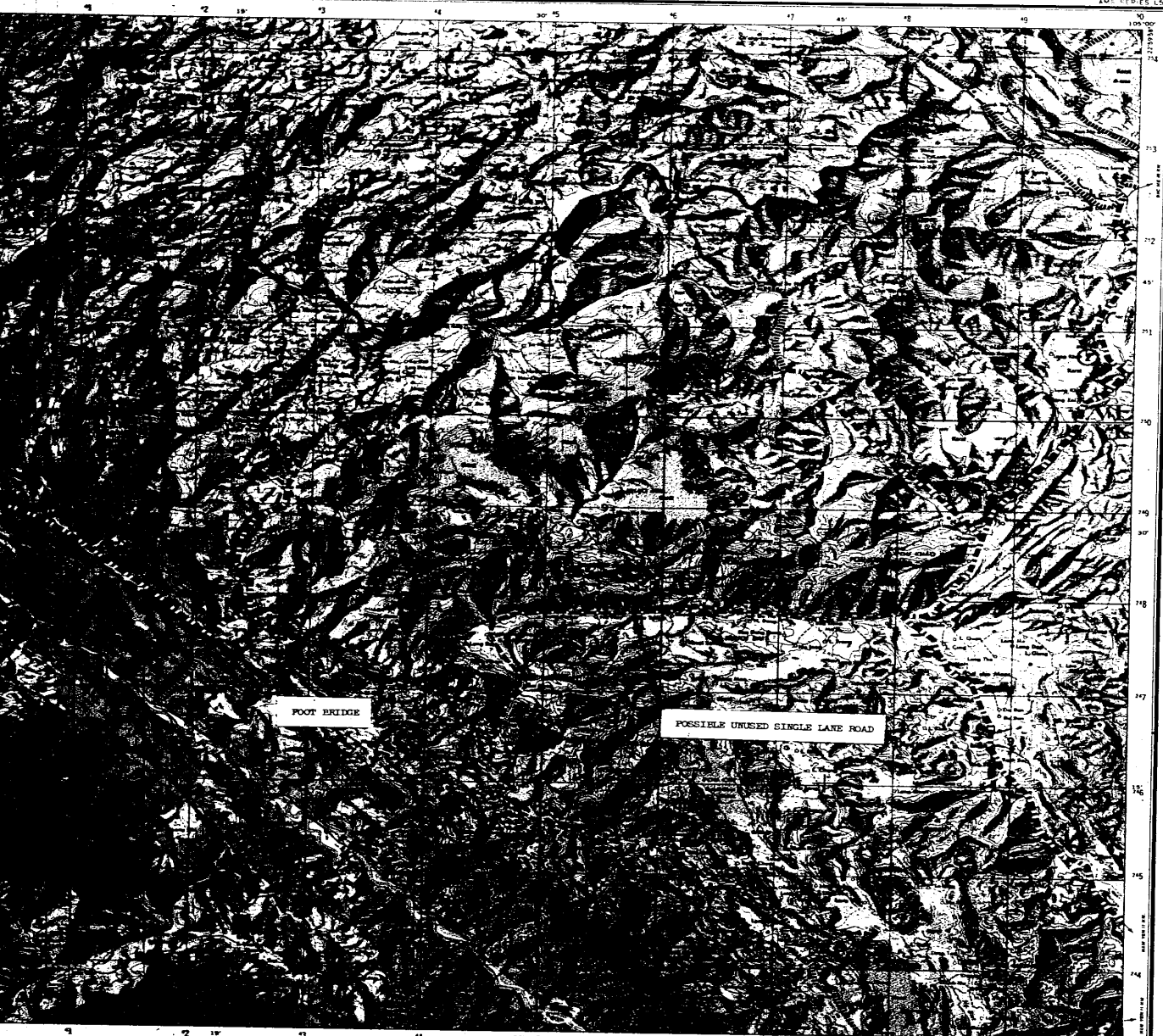


YEN-BAY, VIETNAM

LAO KAY

EDITION 1-AMS

NF 48-6



SECRET

NO FOREIGN DISSEM

REPRODUCED BY ARMY MAP SERVICE CORPS OF ENGINEERS, 7-54, 772546

Scale 1:250,000

CONTOUR INTERVAL 100 METERS. RELIEF PARTIALLY SHOWN BY FORM LINES
TRANSVERSE MERCATOR PROJECTION

LOCATION DIAGRAM FOR NF 48-6

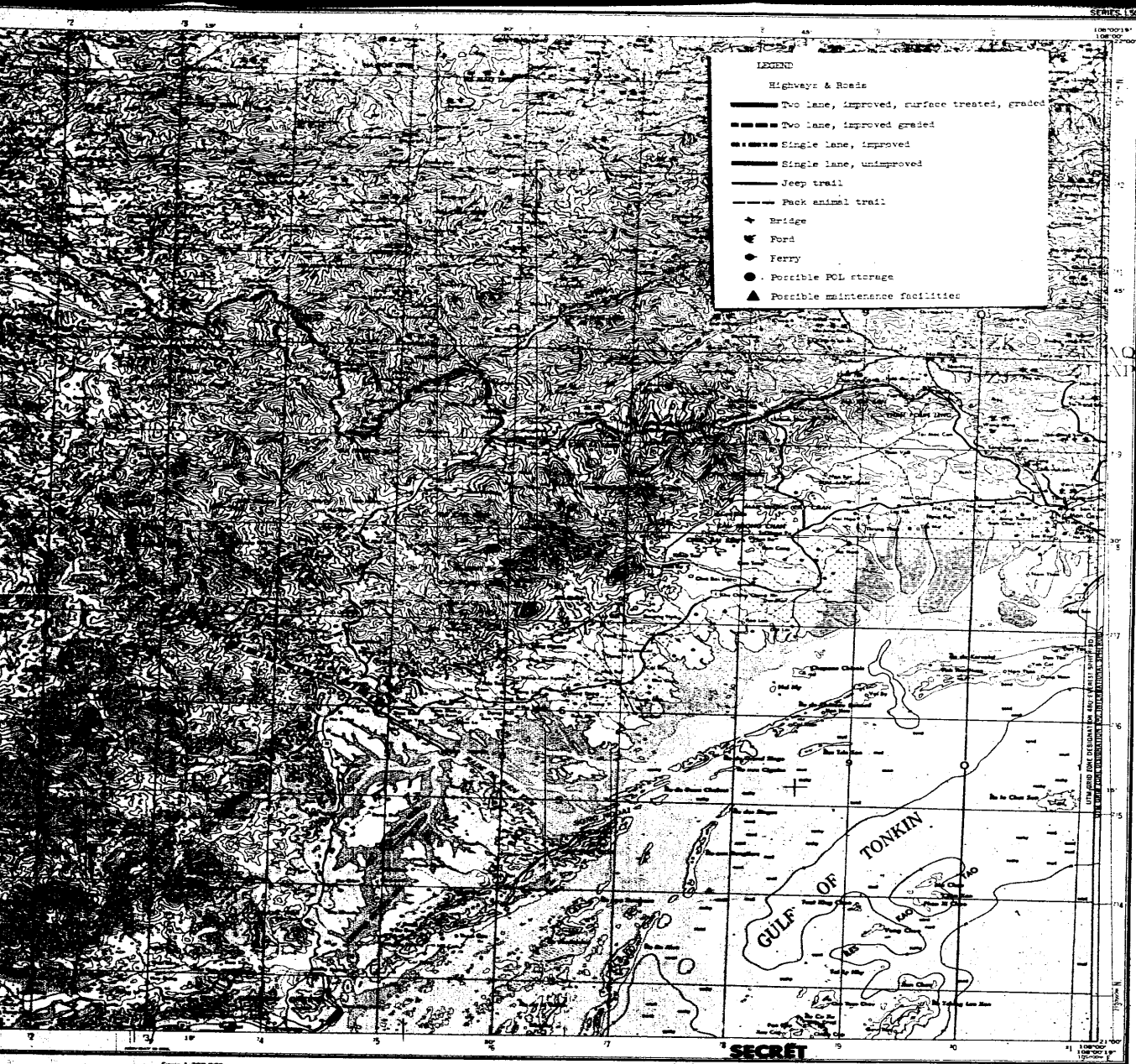
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480	
UL	VL
UR	VR

Additional administrative and technical information, including a table with various codes and a section for 'REMARKS'.

LAO KAY, VIETNAM; CHINA



- LEGEND
- Highways & Roads
- Two lane, improved, surface treated, graded
 - Two lane, improved graded
 - Single lane, improved
 - Single lane, unimproved
 - Jeep trail
 - Pack animal trail
- Bridge
- Ford
- Ferry
- Possible PCL storage
- Possible maintenance facilities

SECRET

NO FOREIGN DISSEM

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Scale 1:250,000

CONTOUR INTERVAL 100 METERS

TRANSVERSE MERCATOR PROJECTION

Blue shaded lines indicate the blue water boundary. Transverse Mercator projection zone of extreme distortion and zone of international boundary. The boundary between the blue water boundary and the zone of extreme distortion is shown in blue. The boundary between the blue water boundary and the zone of extreme distortion is shown in blue. The boundary between the blue water boundary and the zone of extreme distortion is shown in blue.

LOCATION DIAGRAM FOR NF 48-12

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SHOW IN BLUE REPRESENTS IN BLEU

MON CAY, VIETNAM, CHINA

REFER TO THIS MAP AS
NF 48-7



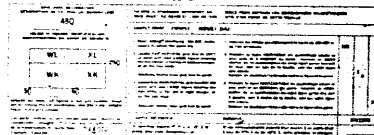
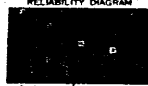
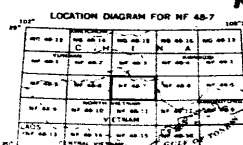
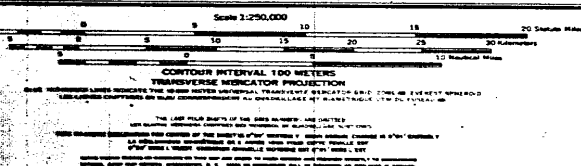
Highways & Roads

- Two lane, improved, surface treated, graded
- ===== Two lane, improved graded
- ===== Single lane, improved
- ===== Single lane, unimproved
- Jeep trail
- Pack animal trail
- ◆ Bridge
- ☞ Ford
- Ferry
- Possible FOL storage
- ▲ Possible maintenance facilities

SECRET

NO FOREIGN DISSEM

BY ARMY MAP SERVICE, CORPS OF ENGINEERS

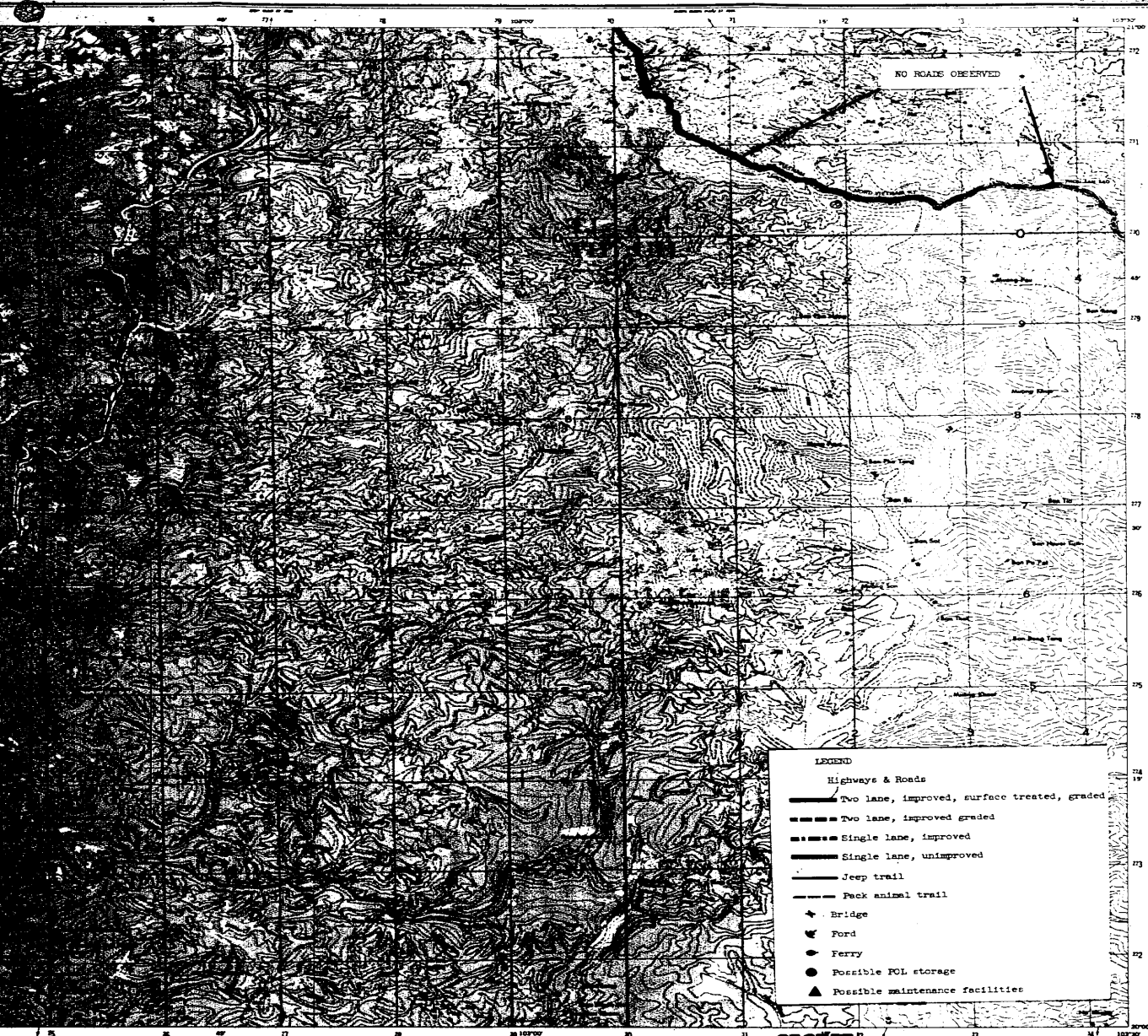


CAO BANG, VIETNAM; CHINA

MUONG NGOI

EDITION 1-AMS

NF 48-13
AMS SERIES 4800



LEGEND

Highways & Roads

- Two lane, improved, surface treated, graded
- Two lane, improved graded
- Single lane, improved
- Single lane, unimproved
- Jeep trail
- Pack animal trail
- Bridge
- Ford
- Ferry
- Possible FOL storage
- Possible maintenance facilities

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Scale 1:250,000

LOCATION DIAGRAM FOR NF 48-13

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RELIABILITY DIAGRAM



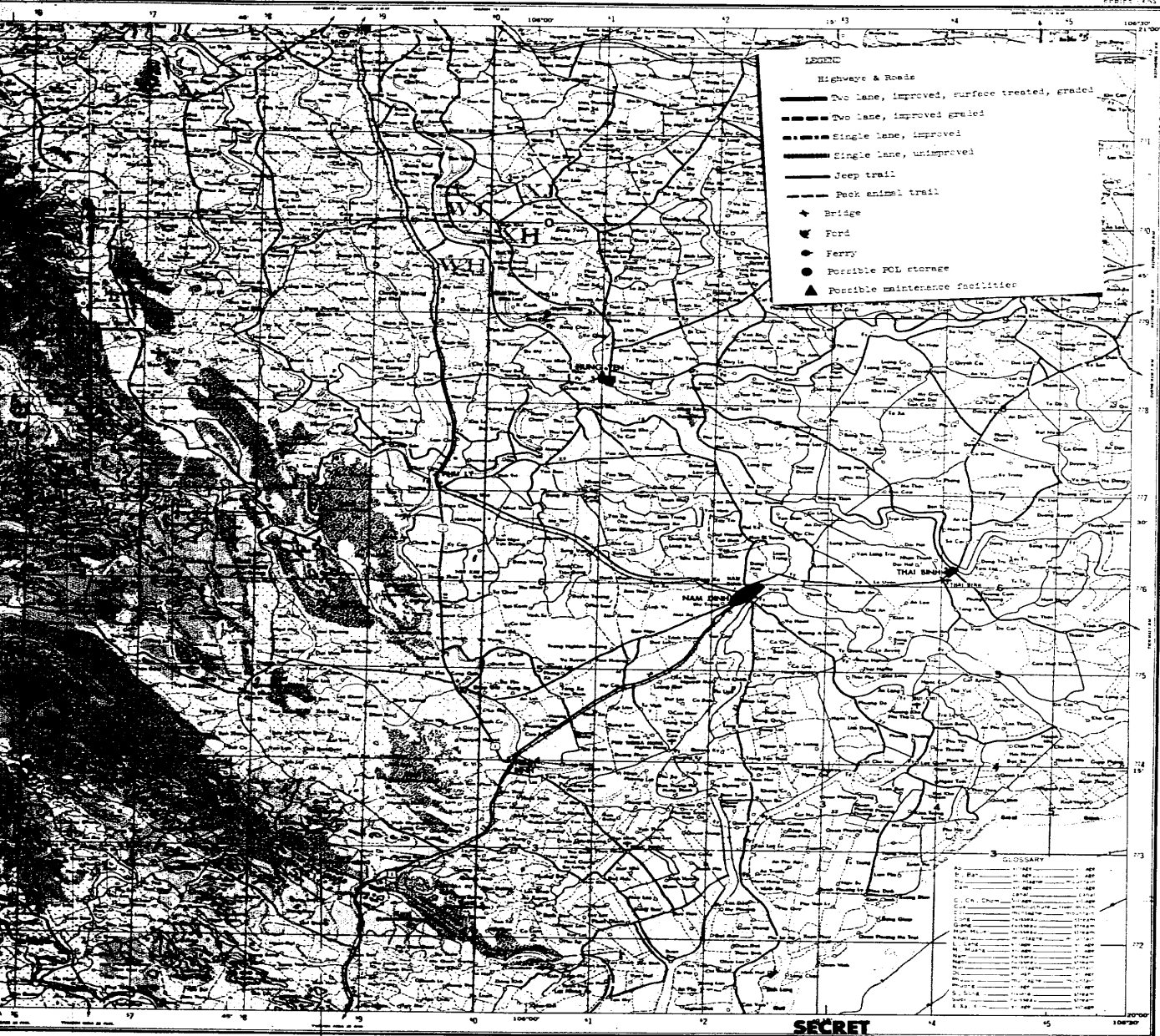
1. Title 2. Edition 3. Date 4. Author 5. Editor 6. Publisher 7. Distribution 8. Remarks		9. Remarks 10. Remarks 11. Remarks 12. Remarks 13. Remarks 14. Remarks 15. Remarks 16. Remarks 17. Remarks 18. Remarks 19. Remarks 20. Remarks 21. Remarks 22. Remarks 23. Remarks 24. Remarks 25. Remarks 26. Remarks 27. Remarks 28. Remarks 29. Remarks 30. Remarks 31. Remarks 32. Remarks 33. Remarks 34. Remarks 35. Remarks 36. Remarks 37. Remarks 38. Remarks 39. Remarks 40. Remarks 41. Remarks 42. Remarks 43. Remarks 44. Remarks 45. Remarks 46. Remarks 47. Remarks 48. Remarks 49. Remarks 50. Remarks 51. Remarks 52. Remarks 53. Remarks 54. Remarks 55. Remarks 56. Remarks 57. Remarks 58. Remarks 59. Remarks 60. Remarks 61. Remarks 62. Remarks 63. Remarks 64. Remarks 65. Remarks 66. Remarks 67. Remarks 68. Remarks 69. Remarks 70. Remarks 71. Remarks 72. Remarks 73. Remarks 74. Remarks 75. Remarks 76. Remarks 77. Remarks 78. Remarks 79. Remarks 80. Remarks 81. Remarks 82. Remarks 83. Remarks 84. Remarks 85. Remarks 86. Remarks 87. Remarks 88. Remarks 89. Remarks 90. Remarks 91. Remarks 92. Remarks 93. Remarks 94. Remarks 95. Remarks 96. Remarks 97. Remarks 98. Remarks 99. Remarks 100. Remarks	
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MUONG NGOI, LAOS, VIETNAM

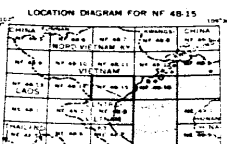
HAI DUONG

EDITION 2-AMS

REFER TO THIS MAP AS NF 48.15



SECRET
NO FOREIGN DISSEM



ABBREVIATIONS	
1. Hai Duong	2. Hai Duong
3. Hai Duong	4. Hai Duong
5. Hai Duong	6. Hai Duong
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97. Hai Duong	98. Hai Duong
99. Hai Duong	100. Hai Duong

HAI DUONG, VIETNAM

